



October 30, 2014

CERTIFIED MAIL 7013 2250 0001 0126 5551 Return Receipt Requested

U.S. Environmental Protection Agency Region 7 Attn: Chief, RCRA Corrective Action and Permits Branch Air, RCRA and Toxics Division 11201 Renner Boulevard Lenexa, Kansas 66219

RE: 3rd QUARTER 2014 QUARTERLY PROGRESS REPORT; OCCIDENTAL CHEMICALS CORPORATION, WICHITA PLANT; USEPA ID# KSD007482029

Dear Sir:

Enclosed please find the Quarterly Progress Report, as required by Occidental Chemical Corporation's RCRA hazardous waste permit number KSD007482029. This report summarizes the activities conducted for Part II of the Facility's RCRA Permit during the third quarter of 2014. In addition, please find enclosed the most recent version of the RFI Schedule, which is dated October 28, 2014 along with the most recent Vapor Intrusion ICM Monitoring Report for the third quarter of 2014, for your review and use. If you have any questions, please call Lisa R. Thurman at 316/529-7204.

Sincerely,

Steven R Hieger
Steve Hieger

Plant Manager

Enclosure

c.c.: Mostafa Kamal; KDHE

Brad Roberts, USEPA Region VII

Juan Somoano; GSHI Lisa Thurman; OCC Bruce Clegg; CRA CERTIFIED MAIL: 7013 2250 0001 0126 5544 CERTIFIED MAIL: 7013 2250 0001 0126 5537

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Occidental Chemical Corporation, Quarterly Progress Report July 1, 2014 through September 30, 2014

Pursuant to Occidental Chemical Corporation's (OCC) hazardous waste permit KSD007482029, Part II, Section C.13, OCC is submitting this quarterly progress report. This report updates the progress of RCRA Corrective Action activities conducted during the third quarter of 2014.

- Submitted the Semi-Annual Groundwater Monitoring Report (Spring 2014).
- A quarterly building monitoring and inspection event was completed. The completed reporting form was submitted to EPA and is attached hereto.
- Continued construction of a wastewater treatment plant (third carbon absorption system) for interceptor wells (IW40, IW44, IW45 and IW46).
- Continued operation of the interceptor well network for groundwater control around Occidental's Wichita plant.
- Completed quarterly regional hydraulic monitoring.
- Continued drafting a Human Health and Risk Assessment Work Plan.
- Completed the installation of new monitoring wells as recommended in the EPAapproved Phase II On-Site Groundwater Investigation RFI Summary Report.
- Conducted the Community Interest Group meeting at the Facility.
- Submitted a Notification of Plant Changes for modifications to the concrete cellar of Deep Well No. 3.
- There have been no releases of hazardous materials to report.



Work scheduled for the fourth guarter of 2014 includes:

- Complete the second 2014 semi-annual groundwater monitoring event.
- Continue operation of the interceptor well network for groundwater control around Occidental's Wichita plant.
- Continue with the construction of the wastewater treatment plant and extraction well conveyance system for interceptor wells IW40, IW44, IW45 and IW46.
- Complete a quarterly building inspection and pressure monitoring event.
- Submit a Human Health and Risk Assessment Work Plan.
- Submit a Final RFI Compilation Report to the EPA which will include a summary
 of the completion details and resultant data for the monitoring wells that were
 installed pursuant to the EPA-approved Phase II On-Site Groundwater
 Investigation RFI Summary Report.

Notifications:

A Depleted Brine replacement tank is being installed at Brine Treat, The tank
will be used to store brine for further processing. The tank is 42' in diameter and
40' tall, with a capacity of 414,500 gallons. The material of construction is
carbon steel with 2205 stainless steel spargers. Internal coating will be thin film
vinyl ester and external walls will not be insulated, however they will be covered
with epoxy paint. Containment will be constructed to drain to Sump 480.
Please see the attached drawings.







Wichita Plant

	CORRECTIVE ACTION CHRONOLOGY
DATE	EVENT
07/07/2008	Draft Work Plan for Indoor Soil Gas Sampling
07/07/2008	Comments to QAPP Addendum 04/18/08
07/07/2008	Spring 2008 Neighbor Results
07/11/2008	Request for Interim Measures for Railroad Tracked Areas
07/25/2008	Revised Asbestos Surface Impoundment SWMU Interim Corrective Measure Implementation Report
07/28/2008	2008 2nd Quarter Progress Report
08/05/2008	Comments to Draft Work Plan for Collection & Analysis of Groundwater Samples (Appendix 9)
08/08/2008	Notice of Plug & Abandonment of DW #4
08/08/2008	Request for Extension of QAPP Comment Response
08/15/2008	Response to Railroad Tracked Areas Interim Measures Letter
08/18/2008	Interim Corrective Measures Implementation Report for Asbestos Surface Impoundment SWMU
09/03/2008	Draft Work Plan for Collection & Analysis of Groundwater Samples (Appendix 9)
09/19/2008	Revised Draft Work Plan for Indoor Soil Gas Sampling
09/22/2008	Comments to Draft Work Plan for Indoor Soils Gas Sampling
09/30/2008	Approval Letter for Work Plan for Indoor Soils Gas Sampling
10/03/2008	Comments to Draft Work Plan for Collection & Analysis of Groundwater Samples (Appendix 9)
10/30/2008	Appendix IX Semi-Annual Groundwater Monitoring Report
11/03/2008	Draft Work Plan for Collection & Analysis of Groundwater Samples
11/21/2008	Off-Site Soils Gas Sampling Data Evaluation Report
11/21/2008	Off-Site Geoprobe Groundwater Investigation Report
01/05/2009	Draft QAPP
01/19/2009	Indoor Soils Gas Sampling Report
01/23/2009	Sub-Slab Soils Gas Sampling
01/28/2009	Semi-Annual Neighbor Well Data
01/28/2009	4 th Quarter Corrective Action Report
02/10/2009	Direct Push Investigation Comments to EPA
02/12/2009	Off-Site Geoprobe Groundwater Investigation Report
02/20/2009	Soil Gas Sampling Data Evaluation Comments to EPA
03/19/2009	Soils Gas Sampling Data Evaluation
03/26/2009	2009 Ongoing Activities Cost Estimate



	CORRECTIVE ACTION CHRONOLOGY
DATE	EVENT
04/20/2009	Off-Site Geoprobe Report
04/21/2009	Email responding to QAPP Comments
04/30/2009	Semi-Annual Groundwater Report
04/30/2009	Monitor Well Inspection Summary Report
05/08/2009	Response to Comments for Sub-Slab Soils Gas Sampling Report
06/08/2009	Final QAPP and SAP Reports
06/30/2009	RFI Investigation Work Plan for Landfill, Hex Pits, and Brine Ponds
06/30/2009	ICM Effectiveness Evaluation Report
08/26/2009	Revised RFI Work Plan for Alpha Cake Landfill, Hex Waste Pits and Brine Ponds
09/14/2009	Response to EPA's Comments letter dated July 9, 2009 regarding on-Site vapor intrusion
09/14/2009	On-Site Vapor Intrusion Investigation, Assessment and Interim Corrective Measures Implementation Report
11/30/2009	Draft Penta Area and Shipping RFI Work Plan
12/14/2009	Response to EPA Comments & Submission of Revised Interceptor Well ICM Effectiveness Evaluation Report
12/22/2009	Supplemental Off-Site Soil Gas Sample Collection and Analysis, 1 st Quarterly, letter submission
12/30/2009	Preliminary Draft Phase I Summary/Phase II Recommendations letter report
01/15/2010	Response to EPA Comments – On-Site VI, Assessment & Interim ICM Implementation Report
02/12/2010	Final Revision to Interceptor Well ICM Effectiveness Report
02/12/2010	Second 2009 Semiannual Groundwater Monitoring Report
02/16/2010	Received comments from EPA for Penta Area and Shipping RFI Work Plan
02/19/2010	Phase I Summary/Phase II Recommendations Letter Report (final), Alpha Cake Landfill, Hex Waste Pits and Brine Ponds RFI Work Plan
04/30/2010	Response to EPA Comments – Penta Area and Shipping RFI Work Plan
04/30/2010	Revised Penta Area and Shipping RFI Work Plan
05/17/2010	Resampling of MW137S1 Letter to EPA
05/28/2010	Inorganics Area RFI Work Plan
07/09/2010	Received comments from EPA for Inorganics Area RFI Work Plan
08/11/2010	Response to EPA Comments – Inorganics Area RFI Work Plan
08/11/2010	Revised Inorganics Area RFI Work Plan
08/24/2010	First Semiannual Groundwater Monitoring Report
09/23/2010	Groundwater Screening (near MW-140) Investigation Summary Letter





DATE	CORRECTIVE ACTION CHRONOLOGY
DATE	EVENT
10/4/2010	Operation and Maintenance Plan for On-Site Vapor Intrusion ICM for on-Site buildings
10/15/2010	RFI Summary Report for the Alpha Cake Landfill, Hex Waste Pits and Brine Ponds
10/29/2010	Supplemental Quarterly Off-Site Soil Gas Monitoring Summary Report Response to EPA Comments on the Operation and Maintenance Plan for On-Site Vapor Intrusion ICM for on-
12/20/2010	Site buildings
12/16/2010	Received comments from EPA for Supplemental Quarterly Off-Site Soil Gas Monitoring Summary Report
12/16/2010	Received comments from EPA for RFI Summary Report, Alpha Cake Landfill, Hex Waste Pits and Brine Ponds
12/30/2010	Comprehensive Well Survey letter submittal to EPA
1/4/2011	Penta Area and Shipping RFI Summary Report
1/17/2011	Response to EPA comments and revised Supplemental Quarterly Off-Site Soil Gas Monitoring Summary Report
1/18/2011	Response to EPA comments and revised RFI Summary Report – Landfill Areas
2/16/2011	Inorganic Area RFI Summary Report
2/23/2011	Second 2010 Semiannual Groundwater Monitoring Report
3/2/2011	Draft Conceptual Design Summary for Groundwater ICM Modifications
4/18/2011	Chloromethanes I, II, Perc and Hazwaste Areas RFI Work Plan
4/18/2011	Arkema Area Investigative Work Plan
4/29/2011	Response to EPA comments and revised RFI Summary Report – Penta Area and Shipping
4/29/2011	Response to EPA comments and revised RFI Summary Report – Inorganics Area
5/2/2011	On-Site Vapor Intrusion Mitigation ICM Construction Completion Report
6/17/2011	Response to EPA comments and revised Preliminary Conceptual Design Groundwater ICM Modifications Rpt
6/30/2011	On-Site Groundwater RFI Work Plan
6/30/2011	Vapor Intrusion ICM Inspection and Pressure Monitoring Record Report Form
7/20/2011	Response to EPA comments and revised Arkema Area Investigative Work Plan
8/1/2011	Response to EPA comments and revised On-Site Vapor Intrusion Mitigation ICM Construction Completion Rpt
8/18/2011	First 2011 Semiannual Groundwater Monitoring Report
8/22/2011	Response to EPA comments and revised Penta Area and Shipping RFI Summary Report
8/22/2011	Response to EPA comments and revised Chloromethanes I, II, Perc and Hazwaste Areas RFI Work Plan
8/26/2011	Response to EPA comments and revised Conceptual Design Groundwater ICM Modifications Report
9/12/2011	Response to EPA comments and revised Groundwater Monitoring Program Summary Table
9/30/2011	Response to EPA comments and revised Arkema Investigative Work Plan

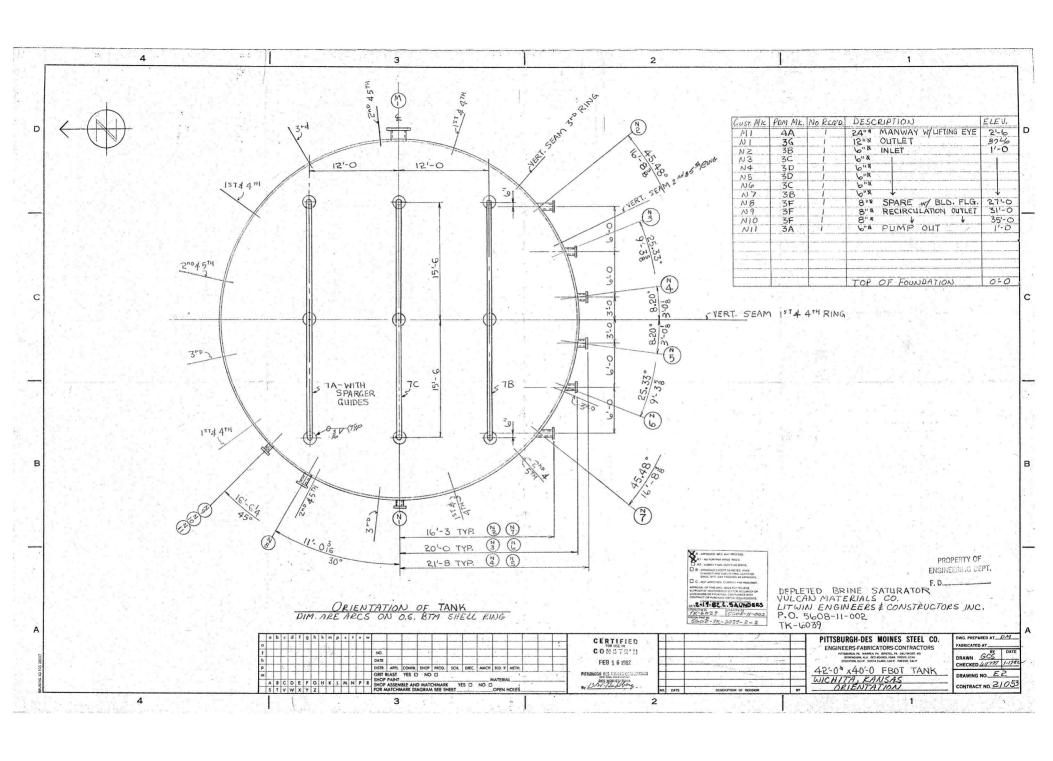


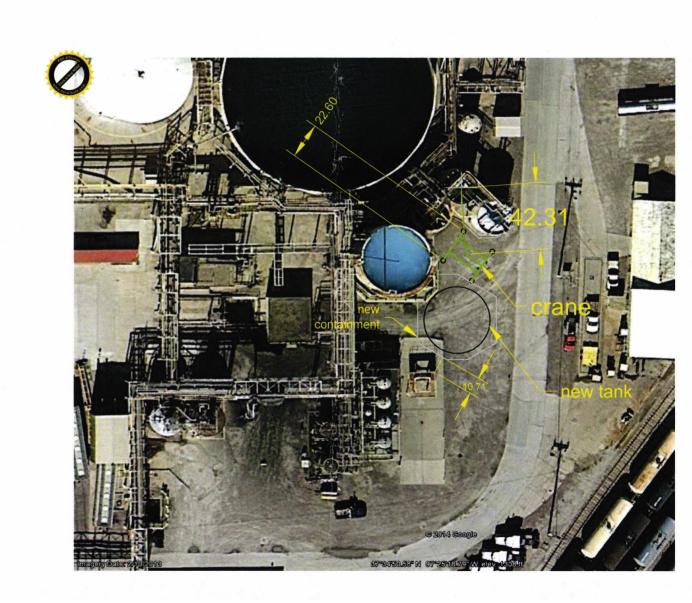
	CORRECTIVE ACTION CHRONOLOGY
DATE	EVENT
10/31/2011	Vapor Intrusion ICM Inspection and Pressure Monitoring Record Report Form
11/14/2011	Received EPA comments on On-Site Groundwater RFI Work Plan
11/14/2011	Received EPA approval letter for Arkema Area Investigative Work Plan
11/30/2011	Sampling and Analysis Plan
12/14/2011	Response to Comments and Revised On-Site Groundwater RFI Work Plan
1/5/2012	EPA Comments on Draft Sampling and Analysis Plan
1/27/2012	EPA Comments on On-Site Groundwater RFI Work Plan
2/8/2012	Response to Comments and Revised Sampling and Analysis Plan
2/20/2012	Second 2011 Semiannual Groundwater Monitoring Report
3/9/2012	Revised Sampling and Analysis Plan (SAP)
3/13/2012	Revised Standard Operating Procedures 4 for SAP
3/19/2012	Response to Comments and Revised On-Site Groundwater RFI Work Plan
3/21/2012	EPA Approval letter – On-Site Groundwater RFI Work Plan
4/17/2012	Stormwater Ponds Area RFI Work Plan
4/17/2012	Fuel Depot Area RFI Work Plan
8/6/2012	Penta Area and Shipping Phase II RFI Summary Report
8/6/2012	Chloromethanes I, II, Perc and Hazwaste Areas RFI and Arkema Area Investigation Summary Report
8/13/2012	Response to Comments and Revised Stormwater Ponds RFI Work Plan and Revised Fuel Depot RFI Work Plan
8/14/2012	Inorganics Area Supplemental Report
8/17/2012	Formal Notification of Additional SWMUs
8/24/2012	First 2012 Semiannual Groundwater Monitoring Report
11/14/2012	Class I Modification Letter for Additional SWMUs
11/15/2012	Phase I On-Site Groundwater Investigation RFI Summary Report
2/22/2013	Second 2012 Semiannual Groundwater Monitoring Report
3/7/2013	Response to EPA Comments and Revised Penta Area and Shipping Phase II RFI Summary Report
3/15/2013	Response to EPA Comments and Revised Phase I On-Site Groundwater RFI Summary Report
3/22/2013	Fuel Depot and Stormwater Ponds Area RFI Summary Report
4/19/2013	EPA approval letter – Revised Phase I On-Site Groundwater Summary Report and Revised Phase II Penta Area and Shipping RFI Summary Report
4/24/2013	Monitoring Well Abandonment and Replacement letter



	CORRECTIVE ACTION CHRONOLOGY
DATE	EVENT
4/25/2013	EPA approval letter – Fuel Depot and Stormwater Pond Area RFI Summary Report
8/22/2013	First 2013 Semiannual Groundwater Monitoring Report
2/25/2014	Second 2013 Semi-Annual Groundwater Monitoring Report
2/25/2014	Phase II On-Site Groundwater RFI Summary Report
3/11/2014	Formal Notification of an Additional Solid Waste Management Unit
5/16/2014	EPA Comments – Phase II On-Site Groundwater Investigation RFI Summary Report
6/6/2014	Class I Permit Modification Letter, Additional Solid Waste Management Unit
6/19/2014	Response to EPA Comments and Phase II On-Site Groundwater Investigation RFI Supplemental Report
6/20/2014	Notification of Plant Changes Letter (Sump 426)
7/28/2014	Notification of Plant Changes Letter (Deep Well No. 3 cellar modifications)
8/22/2014	First 2014 Semiannual Groundwater Monitoring Report
9/4/2014	EPA approval letter – On-Site Groundwater Investigation RFI Summary Report







Pressure Measurement Record Administration Building, Technical Center, Control Laboratory

Technician Jeremy Raye Name:			Date 8/1/201	4
Equipment and Calibra	tion			
Pressure Meter Make, Mo		ier Units	Zero Calibration	
Omniguard 4		in WC		s
Unusual weather condition	ıs ∭yes 🗸		Pressure meter reports are open to a	ads 0.000 when both
			(4)	ith a march time of 0.04
Pressure measurement req inches of water (in WC) or I readings collected over a har	ess (0.001 pre	eferred). The record	ed pressure measuremen	nt will be the average of
Administration Building	Time	Half-Hour Average Differential Pressure (in WC)	Minimum Effective +0.001 in WC	Notes
Second Floor	13:05	0.026		Good
Cafeteria	12:15	0.017	Pass Fail	Good
Basement	11:35	0.028	✓ Pass ☐ Fail	Good
Note: Inlet 1 should be ope	n to indoor air	: Inlet 2 (Reference)	should be connected to t	he outdoor air tubing.
Technical Center (R&D Lab)	Time	Half-Hour Average Differential Pressure (in WC)	Minimum Effective +0.001 in WC	Notes
North Basement	14:30	0.024	✓ Pass Fail	Good
South Basement	13:45	0.024	✓ Pass Fail	Good
Note: Inlet 1 should be ope	n to indoor ai	r. Inlet 2 (Reference)) should be connected to	the outdoor air tubing.
Control Laboratory	Time	Half-Hour Average Differential Pressure (in WC)	Minimum Effective +0.001 in WC	Notes
Lab Area	15:15	0.039	✓ Pass Fail	Good
Note: This monitoring loca and the tubing should be of (Reference) should be ope	connected as t	follows: Inlet 1 should	the Administration Buildin	g and Technical Center) oor air tubing. Inlet 2
Notes:				
All measuring points	passed.			



Building Inspection Record Administration Building, Technical Center, Control Laboratory

Technician Jeremy Raye Name:	Date 8/1/2014

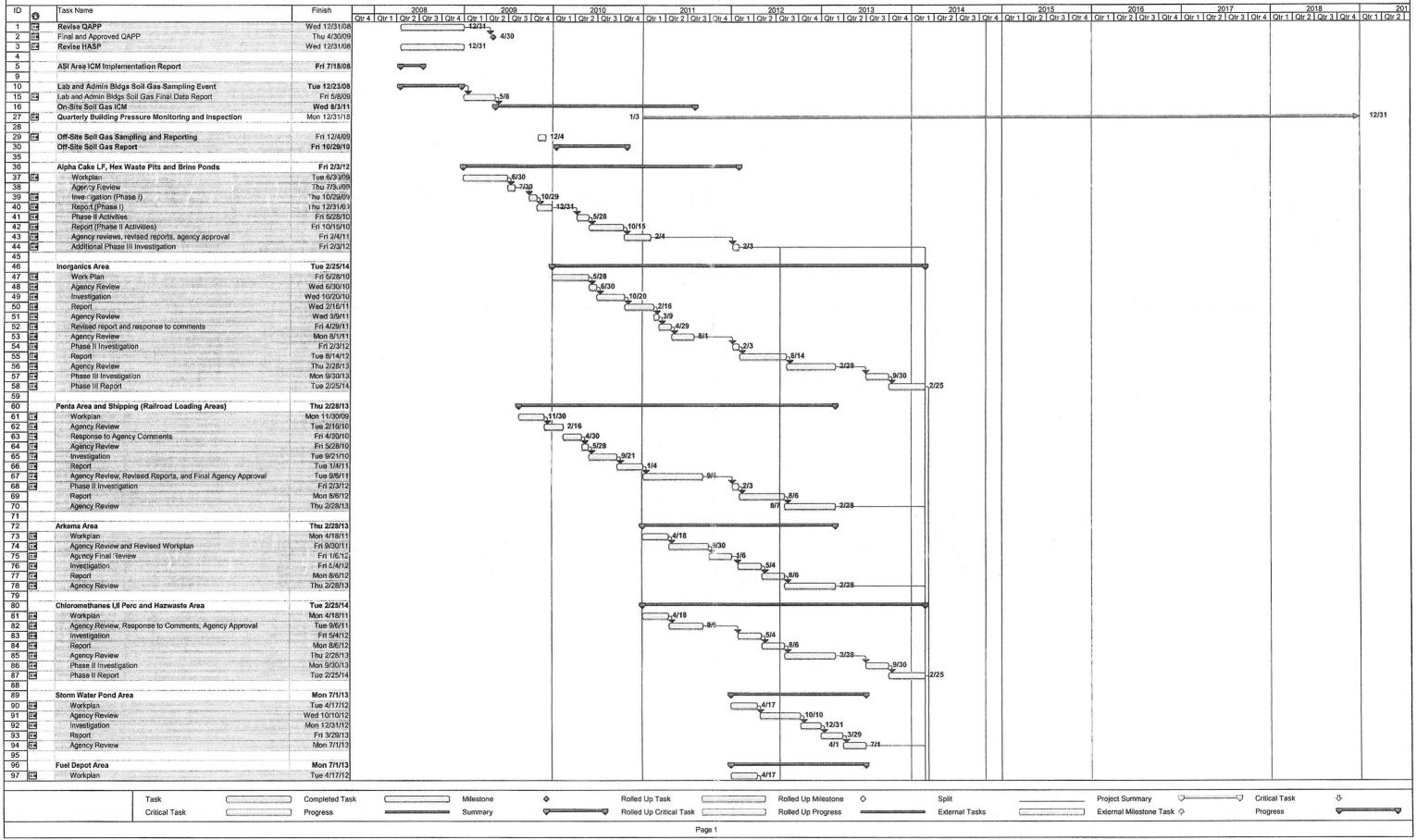
Technical Center (R&D Lab)	Building Inspection Notes (Building Envelope and Floors)
North Basement	Good
South Basement	Good
Additional details and corrective action	n

Control Laboratory	Building Inspection Notes (Building Envelope and Floors)
Lab Area	Good
Additional details and corrective action	



Occidental Chemical Corporation

Wichita Facility DRAFT RFI Schedule October 28, 2014



Occidental Chemical Corporation Wichita Facility DRAFT RFI Schedule October 28, 2014

ID O	Task Name	Finish	2008	2009		2010	20	11	2012		2013		2014		2015	2016		2017		20	18	
98		Wed 10/10/12	2008 Qtr 4 Qtr 1 Qtr 2 Qtr 3	Qtr 4 Qtr 1 Qtr 2 Qtr 3	1 Qtr 4 Qtr 1 C	Otr 2 Otr 3 Otr	Qtr 1 Qtr 2	Qtr 3 Qtr 4 Qtr	r 1 Qtr 2 Qt	r 3 Qtr 4 Qtr 1	Qtr 2 Qtr 3 Qtr	4 Qtr 1	Qtr 2 Qtr 3 Q	tr 4 Qtr 1 Qt	r 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 C	tr 3 Qtr 4 0	Qtr 1 Qtr 2 Q	tr 3 Qtr 4	Qtr 1 Qtr 2	Qtr 3 Qtr 4	Qtr 1 Qtr
99	Investigation	Mon 12/31/12					1		-	210/10												
100	Report	Fri 3/29/13			1					12/3	3100											
101	Agency Review	Mon 7/1/13								414	53/29											
102	1.30107 (1.071011	1901171113							1	4/1												
103	Appendix IX GW Sampling Event	Thu 7/31/08	7/3	ř.																		
104	Semiannual Groundwater Report	Fri 8/24/18	7/3	0 0		0		0			•				^		^					
126	Communication to be a series with the series w	111 0124110	Q	Q Q	Q	Q	Ų	Q C	u 1	ŭ ŭ	U	41	0	Ü	Q	Q	U	Ų	Q	Q	Q	
127	Interceptor Well ICM Operation	Tue 5/31/16	4/18													-10	4					
128		Wed 12/31/08	4110	12/31			The second lines will probe the second	The Control of the Co			CONTRACTOR STREET, SECURIOR STREET, SECU	TI				3/3	1					
129	Interceptor Well ICM Effectiveness Evaluation	Tue 6/30/09		6/30																		
130	Agency Review	Mon 8/31/09		5000	8/31 																	
131	Response to Agency Comments	Mon 12/14/09		Commence of the Commence of th	12/14				1			- 1	1							1		
132	S1 Aquifer Test	Fri 4/9/10				4/9			1													
133	Plezometer and Monitoring Well Installation	Fri 4/30/10			1 7	4/30			1				į.									
134	S2/S3 Aquifer Test	Fri 7/30/10				4/9 4/30 7/30			1													
135	Interceptor Well System Report	Fri 12/31/10					12/31							-								
136	Revised Groundwater Monitoring Program	Mon 3/14/11			,	-	3/14															
137	Agency Review, Response to Comments, Agency Approval	Fri-9/30/11			1		1	9/30	1													1
138	Draft Conceptual Design Groundwater ICM Modification Rpt	Wed 3/2/11			1		3/2	annapare d	1					1								
139	Agency Review	Thu 5/5/11					5/5		1													
140	Final Conceptual Design Groundwater ICM Modification Rpt	Fri 6/17/11						6/17	1			- 11										
141	Agency Approval	Tue 9/6/11					1		1			1 11										
142	Groundwater ICM Modification Implementation Report	Tue 2/25/14					-	7					/25									
143	IW29 and IW30 Repairs	Fri 12/30/11						12/	/30	Comment of the second second second second second second		ALUMONOUS PROPERTY.										
144	Groundwater Monitoring Program Sampling and Analysis Plan	Wed 11/30/11						D-11/30	0													
145	Agency Approval	Wed 2/29/12						11/30	2/29			1 11										
146	Monitoring Well Abandonments and Replacements	Fri 3/29/13									3/29											
147							-													5		
148	On-Site Groundwater Investigation	Tue 9/30/14			1		-	The second	eterning of the	elianotar o planti i sun du renderio			9									
149	Phased On-Site Groundwater Investigation Workplan	Thu 6/30/11			1			6/30	1			1 11										1
150	Agency Review	Mon 11/14/11			I			11/14														
51 [4	Response to Comments	Wed 12/14/11			1			O ₂ 12/1	14			1 11	ì									
52	Agency Review	Mon 1/30/12			1			<u></u> 1	1/30				1									
53 125	Phase I On-Site Groundwater Investigation	Wed 7/4/12			1		1		T-17/4	4		1 11										
54 55	Phase I On-Site Groundwater Final Report	Thu 11/15/12								11/15												
100 5	Agency Review	Fri 6/28/13								11/16	6/28					-						
51 62 152 63 154 64 155 64 157 65 158 65 65 65 65 65 65 65	Phase II Groundwater Activities	Mon 9/30/13									6/28	0										
50 5	Phase II Groundwater Report Phased Groundwater Investigation	Tue 2/25/14 Tue 9/30/14										2/	/25									
159	Friaseo Grounowater investigation	100 9/30/14												30								
60	RFI Summary Report	Wed 12/31/14											Ų.									
161	nr i dumnary neport	vveo 12/31/14											Q.	12/31								
62	Human Health Risk Assessment Work Plan	Wed 12/31/14			Sec.							1 4										
63	EPA Review	Tue 3/31/15			No.							Comme	easter Company of the	12/31		- Anna						
64	Final Human Health Risk Assessment	Mon 6/29/15												3/3		The state of the s						
65	i mai natuan neam visa wssessment	WON 0/29/15											1	C	6/29							
66	Corrective Measures Plan Work Plan	Mon 6/29/15			-										CIDO							
67	EPA Review	Wed 9/30/15												Control of the Contro	6/29							
68	Site-wide Corrective Measures Study	Mon 2/29/16												1	9/30							
69	EPA Review	Mon 5/30/16			i i										Paramatic response	2129						
70	Corrective Measures Implementation	Mon 1/1/18											1	l		15/30	,			414		
71	CONTRACTOR MANAGEMENT AND ADDRESS OF THE PROPERTY OF THE PROPE	WOII 171710					1									J.			a junta annapati ar a man manjamini a	1/1		
72 0	Quarterly Progress Report	Tue 10/30/18	0 0 0	0 0 0	0 0 0	0 0	0 0	0 0	0 0	0 0	0 0 0	0	0 0 1	0 0	0 0	0 0 0	0 0			0 0	0 0	
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Task	Completed Task	Milestone	\$	Rolled Up Task	(Rolled Up Milestone	♦	Split		Project Summary	Q	Critical Task	Ŷ
Critical Task	Progress	Summary	-	Rolled Up Critical Task		Rolled Up Progress		External Tasks		External Milestone T		Progress	Q
					Page 2				-				di santa dina disantana a carana di santana dan dan di santana dan dan dan dan dan dan dan dan dan